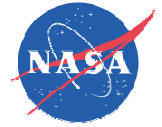
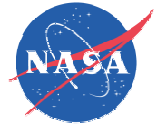


2009 Facilities Engineering & Real Property Symposium
FPMD Workshop – May 13, 2009
Steve Rider, Gene Pinali and John Ritter



Facility Project Management Database - FPMD

- FPMD Workshop Agenda:
 - Background – What is the FPMD?
 - FPMD Roles
 - FPMD Capabilities
 - Project Management
 - Line Management
 - Planning Module
 - 1509 Creation
 - Steering Committee
 - Recent Changes
 - Planned Enhancements
 - FPMD's Future
 - Live Demonstration
 - Questions / Suggestions



Facility Project Management Database - FPMD

- The FPMD system is a tool developed by NASA Facilities Project Managers tailored for use on the NASA Construction of Facilities (CoF) Program. It can also be used for locally funded projects.
- The Facility Project Management Database (FPMD) is a web-based application designed to assist the Facility Project Manager to track and manage their project's costs and schedule, upload and store project documents, create lessons learned, track construction documentation such as submittals and to communicate project status and issues.
- As a management tool, the FPMD has the ability to sort and categorize various projects, track cost and schedule growth, help to analyze staff workload assignments and communicate issues.
- Each Center's project data is viewable only by that Center and Headquarters - not by any other Center.



FPMD - Roles

- Roles:
 - Facility Project Manager (FPM)
 - Data entry, updating and reporting for their assigned projects
 - FPMD Local Administrator
 - Same as FPM and can also add & edit projects, make assignments, add contractors and subcontractors, create global milestones
 - Project Engineer
 - Read only access to only their assigned project's data
 - Construction Manager/Quality Assurance
 - Data entry, updating and reporting for their assigned projects
 - Read Only Access
 - Upper management access, limited access, no data input
 - CoF Program Manager
 - Create & Store “Planned” projects, create 1509s, create Capital Facilities Investment Plan and Unfunded Demolition data call submissions



FPMD – Project Data

PROJECT DATA

- Have all pertinent active and completed project data at your fingertips such as **project title**, scope, justification, **CoF** or Locally funded, project team members, design and construction contractors, current project phase, **fiscal year**, **minor or discrete**, **demolition**, customer, project manager, building number, etc.
- Future Projects created for planning purposes can be converted to active projects. This allows for data and documents used in the planning phase to be archived for the life of the project from the earliest concept through initial planning, requirements generation and tracking, design, acquisition, construction, activation and completion.
- Project reports in pdf format can be generated and sent to project stakeholders or stored in the FPMD as a project record.

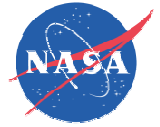


FPMD - Funds Management

FUNDS MANAGEMENT

Project Financial Tracking:

- Project **Current Cost Estimate (CCE)** – which includes all project costs are tracked on a customized electronic CCE worksheet. All project costs can be tracked here, including contingency, escalation, SIES expenses in addition to construction contract award and changes.
- **Approved Facility Project Cost Estimate (AFPCE)** – The project authority (budget) is captured on the CCE worksheet and also on the project financial data page.
- SAP Data Storage (Funds **Committed, Obligated, Costed & Disbursed** – note: manually entered)
- WBS No. tracking/storage
- Construction Progress Payments Tracking (to your construction contractor)
- Automatically calculates construction contract cost growth based on initial award vs. current contract obligations.



FPMD – Schedule & Document Management

SCHEDULE MANAGEMENT

Project Schedule Tracking:

- Project milestone tracking through usual project phases (Concept, Requirements, Design, Acquisition, Construction, Activation & Close-out).
- Accommodates Custom milestone creation & tracking in all phases for all projects or for individual projects
- Headquarters would like to see planned & actual design/construction award dates; % complete for design/construction & planned design/construction completion dates

DOCUMENT MANAGEMENT

Project Document Creation, Storage and Retrieval:

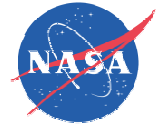
- Documents stored in folders based on project phase and also into “customizable” folders.
- Headquarters would like to see the following documents stored in the FPMD: 1509, 1510, Project Management Plan, Studies, PERs & Life Cycle Cost Analysis (Econpack)



FPMD - Communications

COMMUNICATIONS MANAGEMENT

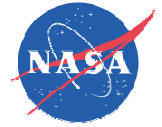
- **Project Issues Communication**, with green, yellow and red severity ratings (currently based on Metrics of Safety, Cost, Schedule, Quality, Coordination and Customer Satisfaction).
- Project Status Communication such as phase % **complete** and upcoming critical milestones
- Create Project Issue Communication Memos (ICM's)
- Create Project Lessons Learned w/ its own database
- Project Submittals Tracking and Status
 - Provides a printable submittals log
- Project Request For Information (RFI) Creation, Tracking and Status
 - Provides a printable RFI log



Facility Project Management Database

Project Manager / Design Team Uses

- Manage Workload (Team Member) Assignments
 - List of various team members assigned to each project including customer.
 - Ability to email the entire (or select members) of the design team
 - Established baseline milestones have been created for each project phase, essentially outlining the various basic steps required to be completed by the PM for typical CoF projects.
- Project Report Generation
 - Conveys project financial, schedule and issue status to Management



Facility Project Management Database

This is an example of a typical PM Report that a Project Manager can take into a meeting with management and contains project status, issues, current phase milestones, CCE, issues month to month comparison and SAP data.

Project Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://fdapps.grc.nasa.gov/fdapps/Login/CMB/share/printmilestones.cfm>

FY 03 ID:147 Task:1051 B105 / FY03 - REHAB of MECH. & ELEC. SYS. Contractor: PM: EBNER CCE: \$1,084,131

STATUS

- CONST 86 % COMPLETE
- THE PACE OF THE PROJECT HAS INCREASED SLIGHTLY. THERE ARE STILL A LARGE NUMBER OF ACTIVITIES THAT NEW ERA COULD BE COMPLETING BUT ARE NOT AT THIS TIME.

ISSUES

- SCHEDULE THE ELEVATOR INSTALLATION IS ON THE CRITICAL PATH AND IS DUE TO BE COMPLETED BY THE END OF OCTOBER.
- COORDINATION ELEVATOR CAR FABRICATOR HAS GONE OUT OF BUSINESS. PRIME SUBCONTRACTORS' ATTEMPT TO PURCHASE FABRICATOR FROM BANK HAS FAILED (10/25/04). NEW LOOKING FOR NEW FABRICATOR.

PHASE:	BUDGET:	COMMITTED:	OBLIGATED:	COSTED:	DISBURSED:
DESIGN:	\$132193.00	\$132193.00	\$132193.00	\$132193.00	\$132193.00
CONSTRUCTION:	\$1075000.00	\$1043231.61	\$1043231.61	\$969046.66	\$827345.90

MILESTONE DESCRIPTION	BASLINE	FORECAST	ACTUAL
START CONSTRUCTION PHASE	APR 11 2003	MAY 16 2003	JUN 24 2003
PRECONSTRUCTION CONFERENCE COMPLETED	APR 15 2003	MAY 20 2003	JUN 24 2003
NOTICE TO PROCEED ISSUED	APR 15 2003	MAY 20 2003	JUN 24 2003
HASP APPROVAL			OCT 14 2003
CONSTRUCTION SCHEDULE APPROVAL			OCT 14 2003
START OF FIELD WORK NTP FOR CONSTRUCTION	JUL 15 2003	OCT 17 2003	OCT 17 2003
PRELIMINARY WALK-THRU COMPLETED	MAY 15 2004	OCT 30 2004	SEP 28 2004
PRELIMINARY PUNCHLIST COMPLETED	MAY 15 2004	OCT 30 2004	
O&M MANUALS & AS-BUILT DRAWINGS RECEIVED	MAY 15 2004	NOV 15 2004	
MAINTENANCE TRAINING COMPLETED	MAY 30 2004	OCT 30 2004	
BENEFICIAL OCCUPANCY/ PREVENTIVE MAINTENANCE BEG	JUN 1 2004	NOV 1 2004	
FINAL WALK-THRU COMPLETED/PUNCHLIST COMPLETE	JUN 1 2004	DEC 15 2004	
ELEVATOR CAR DELIVERY	NOV 15 2004		
FIELD WORK COMPLETE	JUN 1 2004	DEC 30 2004	
CONSTRUCTION PHASE COMPLETE	JUN 15 2004	JAN 5 2005	

CURRENT MONTH	METRIC	PRIOR MONTH
	SAFETY	
	COST	
	SCHEDULE	
	QUALITY	
	COORDINATION	
	CUSTOMER SATISFACTION	

Discussions not available on <http://fdapps.grc.nasa.gov/>

Done

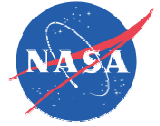
Start Eudora - [In] Microsoft Excel - P... Data Base Tour... <http://fdapps.grc...> Project Report - ... 10:24 AM



Facility Project Management Database

Facilities Division Management Uses

- Printable listings of projects based on a variety of sorts such as:
 - Track and print personnel assignments such as Project Manager, Construction Manager, QAT, and Engineering support roles
 - Projects by phase such as all projects currently in construction including percent complete for that phase.
 - Project Funding type (CoF, Local, or other funds)
 - Project Category (CoF Minor & Discrete, Locally Funded, etc)
 - Building Number
 - Fiscal year
 - Construction Contractor
 - Active, Completed, Cancelled, On-Hold status
 - Multiple combinations of any or all the above sorts
- Current active design and construction contractor listing with printable report.
- Planning Module used for CoF PPBES Data Call




Facility Project Management Database


Planning Module



FPMD CoF Planning Module

After you login (CoF Program Manager role) you will see the *Center Planned Projects Page*. Click the "Planning" button on the left menu to add or edit Capital Facility Investment Plan (CFIP) projects or Unfunded Demolition projects.

**National Aeronautics
and Space Administration**

**FPMD**
Facilities Project Management Database

SEARCH HISTORY: > 1

+ SEARCH

- VIEW PLANNED PROJECTS

- VIEW ACTIVE PROJECTS

- MY PROJECTS

- ADVANCED SEARCH

+ PLANNING

+ HELPFUL LINKS

+ HELP

+ CHANGE ROLE

+ LOGOUT

CENTER PLANNED PROJECTS

Fiscal Year: + GO

5 projects found. ☐ Project on hold

Proj ID ▲▼	Classification ▲▼	FY ▲▼	Building	Description ▲▼
10895	CoF Minor	2011	50	Construct Addition to Fabrication Shop, Building No. 50
10917	CoF Discrete	2008		First Test CFIP
10918	CoF Discrete	2008		First Test CFIP
10936		2008		Another New Test CFIP
10956	CoF Demolition	2008	3111 3311	Demolition of Building B-1 Test Building No. 3111 & B-3 Test Building No. 3311, Plum Brook Station

GLENN RESEARCH CENTER CoF Manager: **Bill Ramsay**

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Center Planned Projects Page



FPMD CoF Planning Module

The *Planning Module's Default Home Page* is the Capital Facilities Investment Plan Page. While in the Planning Module, use the left side menu to select "Planning Projects" for CFIP projects, or "Unfunded Demo" for demolition projects.

NASA National Aeronautics and Space Administration

FPMD Facilities Project Management Database

SEARCH HISTORY: > 1

• SEARCH

• PLANNING

• PLANNING PROJECTS

• UNFUNDED DEMO

• HELPFUL LINKS

• HELP

• CHANGE ROLE

• LOGOUT

CAPITAL FACILITIES INVESTMENT PLAN

+ add capital facilities investment plan + capital facilities investment plan

Fiscal Year: 2008 + GO

Center	Mission Directorate	Center Rank	Facility Number	FY	Repair Cost (\$000)	Construction Cost (\$000)	TOTAL (Repair and Construction) (\$000) Project must be \$1M or greater.	Construction (Y/N)	Repair-by-Replacement (Y/N)	Consequence of Occurrence (1-5)	Probability of Occurrence (1-5)	Risk Score	Increases Infrastructure Reliability (5 pts)	Increases Operational Efficiency (4 pts)	Center Priority (3 pts.)	Sustainability (2 pts.)	Reduces Center Footprint (1 pt.)	Discerning Factor Total
OR	SO	1		2008	50	100	150	Yes	Yes	2	3	5	2	4	1	0	1	8

GLENN RESEARCH CENTER CoF Manager: Bill Ramsay

NASA Web Privacy Policy and Important Notices NASA Responsible Official: Gary Crawford Web Curator: William Ramsay Last Updated: 08/08/2008

Planning Module Default Home Page



FPMD CoF Planning Module

After clicking on Planning you will be shown the *Capital Facilities Investment Plan Page*, which lists projects already entered. To enter a new project, click the red "add capital facility investment plan" button above the list. To edit an existing project, click the project title link in the list.

National Aeronautics and Space Administration

FPMD
Facilities Project Management Database

SEARCH HISTORY: > 1

CAPITAL FACILITIES INVESTMENT PLAN

Click here to add a new CFIP project

+ add capital facilities investment plan + capital facilities investment plan

Fiscal Year: 2008 +60

Center	Mission Directorate	Center Rank	Facility Number	FY	Repair Cost (\$000)	Construction Cost (\$000)	TOTAL (Repair and Construction) (\$000) Project must be \$1M or greater.	Construction (Y/N)	Repair-by-Replacement (Y/N)	Consequence of Occurrence (1-5)	Probability of Occurrence (1-5)	Risk Score	Increases Infrastructure Reliability (5 pts)	Increases Operational Efficiency (4 pts)	Center Priority (3 pts.)	Sustainability (2 pts.)	Reduces Center Footprint (1 pt.)	Discrepancy Factor Total
100110-Grand Forks CFIP	OR	SD	1	2008	50	100	150	Yes	Yes	2	3	5	2	4	1	0	1	8

Click here to edit an existing project

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Capital Facilities Investment Plan Page



FPMD CoF Planning Module

After clicking the red "add capital facility investment plan" button or the project title of an existing project, you will see the CFIP Data Entry Screen. This screen includes all of the columns from the CFIP spreadsheet used in previous years except for a few calculated columns. In the figure to the right, the data entry field designation letter corresponds with the information on the next slide (i.e., "E" for "Fiscal Year"). The meaning of each data entry field follows. Data calculated or auto-filled by FPMD are marked with an asterisk. **IMPORTANT! After entering the data, be sure to click the blue "GO" button.**

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FPMD Facility Impact Management Database

SEARCH HISTORY: > 1

+ SEARCH
+ PLANNING
- PLANNING PROJECTS
- UNFUNDED DEMO
+ HELPFUL LINKS
+ HELP
+ CHANGE ROLE
+ LOGOUT

ADD CAPITAL FACILITIES INVESTMENT PLAN

+ add capital facilities investment plan + capital facilities investment plan

Required fields are marked with an asterisk (*).

* Project Title:

Fiscal Year: 2008

Project Classification:

Type of Work:

Facility Number(s):

Mission Directorate:

Center Rank:

Repair Cost (\$000):

Construction Cost (\$000):

Construction:

Repair By Replacement:

Consequence of Occurrence:

Probability of Occurrence:

What is the impact to the mission? State the consequence to the mission and probability of this consequence occurring. (Describe "Center heroics" and "Band-aid approaches" if applicable.)

Increase Infrastructure Reliability:

Increase Operational Efficiency:

Center Priority:

Sustainability:

Reduces Center Footprint:

Discerning Factor Comments: Describe rationale for points given in Discerning Factors.

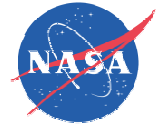
+ GO

Click the GO button after entering the data to save it to the database

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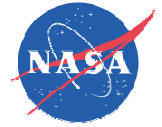
CFIP Data Entry
Screen



FPMD CoF Planning Module

Capital Facilities Investment Plan Projects - Data Entry Fields

- A. Center name (based on the person logged in)*
- B. Project name
- C. Mission Directorate, if project is program direct
- D. Center ranking for the Project
- E. Fiscal year (FY) in which funding for the project is requested
- F. Facility number as designated in the RPI
- G. Repair costs estimates in \$K (thousand)
- H. Construction (New or Repair-by-Replacement) costs estimates in \$K based
- I. Total costs estimates in \$K (calculated from Repair and Construction cost estimates)*
- J. Project is Construction (Yes or No)
- K. Project is Repair-by-Replacement (Yes or No)
- L. Enter the consequence of occurrence derived from the Risk Management Table
- M. Enter the probability of occurrence derived from the Risk Management Table.
- N. Risk score (calculated from consequence of occurrence and probability of occurrence)*
- O. Enter the impact to the mission (not just the impact to the facility project)
- P. Enter points for Increases Infrastructure Reliability
- Q. Enter points for Increases Operational Efficiency
- R. Enter points for Center Priority
- S. Enter points for Sustainability
- T. Enter points for Reduces Center Footprint
- U. Enter substantiating statements for points given in categorizes of the Discerning Factors in column V *
- V. Discerning factor comments



FPMD CoF Planning Module

From any page in the Planning Module you can go to Unfunded Demolition Projects by clicking the "Unfunded Demo" menu item on the left of the screen.

NASA National Aeronautics and Space Administration

FPMD Facility Project Management Database

SEARCH HISTORY: > 1

+ SEARCH

+ PLANNING

- PLANNING PROJECTS

- UNFUNDED DEMO ← Click here to go to Unfunded Demolition Projects

+ HELPFUL LINKS

+ HELP

+ CHANGE ROLE

+ LOGOUT

CAPITAL FACILITIES INVESTMENT PLAN

+ add capital facilities investment plan

+ capital facilities investment plan

Center	Mission Directorate	Center Rank	Facility Number	FY	Repair Cost (\$000)	Construction Cost (\$000)	TOTAL (Repair and Construction) (\$000) Project must be \$1M or greater.	Construction (Y/N)	Repair-by-Replacement (Y/N)	Consequence of Occurrence (1-5)	Probability of Occurrence (1-5)	Risk Score	Increases Infrastructure Reliability (5 pts)	Increases Operational Efficiency (4 pts)	Center Priority (3 pts.)	Sustainability (2 pts.)	Reduces Center Footprint (1 pt.)	Discerning Factor Total
10518: First Test CIP																		
OR	SO	1		2008	50	100	150	Yes	Yes	2	3	6	2	4	1	0	1	9

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Any page in the Planning Module




FPMD CoF Planning Module

After clicking on "Unfunded Demo" in the menu you will see the *Unfunded Demolition Projects Page*, listing planned projects already entered. To enter a new planned project, click the red "add unfunded demo" button above the list. To edit an existing project click the project title link in the list.



National Aeronautics
and Space Administration



FPMD
Facilities Project Management Database

SEARCH HISTORY: > 1

[+ SEARCH](#)
[+ PLANNING](#)
[- PLANNING PROJECTS](#)
[- UNFUNDED DEMO](#)
[+ HELPFUL LINKS](#)
[+ HELP](#)
[+ CHANGE ROLE](#)
[+ LOGOUT](#)

VIEW UNFUNDED DEMO PROJECTS

[+ add unfunded demo](#)
[+ view unfunded demo projects](#)

Fiscal Year: 2008 [+ GO](#)

Facility Number	Program or Institutional Facility (Por I)	Center	Center Priority	CRV (\$000)	FY of Demolition	Demolition Cost (\$000)	Maintenance Costs/Year (\$000)	Utilities/ Other Cost/Year (\$000)	Payback (years)	Safety Criteria (RAC Code)	Environmental Hazard? (Y/N)	Public View? (Y/N)	Environmental Documentation (Y/N)	Years Abandoned? (#)	Historic? (Y/N)	Disposition Index (from RPI)	Comments
PRJ ID: 10955 - Demolish Special Projects Lab No. 24																	
24	I	GR	1	4,847	2008	2,500	18	82			Yes	No	Yes	0	No		Building requires significant repairs (roof, sewers, HVAC, Life Safety Systems, etc.) Project includes the move of a Service Air Compressor and two active test cells to Mission-related Buildings.
PRJ ID: 10939 - test this is a test																	
457	I	GR	1	200	2008	2,000	2,000	2,000	9	1	No	No	No	1	No	9	test
PRJ ID: 10923 - this is my test and you say i cant but i can and i could																	
567	I	GR	1	8,888	2008	333	333	333	3	1	Yes	No	Yes	3	Yes	3	asdfsadf sadf asdf asdf asdf

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 NASA Responsible Official: [Gary Crawford](#)
 Web Curator: [William Ramsay](#)
 Last Updated: 08/09/2008



FPMD CoF Planning Module

After clicking the red "add unfunded demo" button or the project title of an existing project you will see the Unfunded Demo Data Entry Screen. This screen includes all of the columns from the Unfunded Demo spreadsheet used in previous years except for a few calculated columns. In the figure to the right, the data entry field designation letter corresponds with the information on the next slide (i.e., "F" for "CRV"). The meaning of each data entry field follows. Data calculated or auto-filled by FPMD are marked with an asterisk. **IMPORTANT! After entering the data, be sure to click the blue "GO" button.**

National Aeronautics and Space Administration

FPMD
Facilities Project Management Database

SEARCH HISTORY: > 1

+ SEARCH
+ PLANNING
- PLANNING PROJECTS
- UNFUNDED DEMO
+ HELPFUL LINKS
+ HELP
+ CHANGE ROLE
+ LOGOUT

ADD UNFUNDED DEMO

+ add unfunded demo + view unfunded demo project

Required fields are marked with an asterisk (*).

A * Project Title:

B Facility No.: 132-Noise Reduction Test Facility
133-EPRB Compressor Facility
134-Storage Building
135-Vertical Lift Fan Facility
136-Components Cleaning Facility Annex
137-Warehouse #2
138-8'x6' SWT Hydraulic Dump House

C Program or Inst. Facility:

E Center Priority:

F CRV (\$000):

G FY of Demolition: 2008

H Demolition Cost (\$000):

I Maint. Costs/Yr (\$000):

J Util./Other Costs/Yr (\$000):

K Payback (Years):

L Safety Criteria (RAC Code):

M Environmental Hazard?

N Public View?

O Env. Documentation?

P Years Abandoned:

Q Historic?

R Dispos. Index (from RPI):

S Comments:

+ GO

Click the GO button after entering the data to save it to the database

GLENN RESEARCH CENTER CoF Manager: Bill Ramsay

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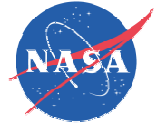
Unfunded Demo Data
Entry Screen



FPMD CoF Planning Module

Unfunded Demolition Projects – Data Entry Fields

- A. Project name
- B. Facility number
- C. Program or Institutional Facility
- D. Center name *
- E. Center priority
- F. CRV
- G. FY of demolition
- H. Demolition Cost, \$K
- I. Maintenance Cost/Year, \$K
- J. Utilities Cost/Year, \$K
- K. Payback
- L. Safety Criteria (RAC Code) if applicable
- M. Environmental Hazard. (Yes or No)
- N. Is facility or structure an eyesore in public view
- O. Has environmental documentation been done to establish whether there is any environmental problem (Yes or No)
- P. If abandoned facility/structure, how many years it has been abandoned
- Q. Is this a historic structure, historic site, or contain historic artifacts (Yes or No)
- R. Composite Disposition Score
- S. Enter the rationale for each category of points given in the discerning factors



Facility Project Management Database

1509 Creation



FPMD CoF Planning Module - 1509 Creation

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://fpmd.grc.nasa.gov/index.cfm?fuseaction=NASAGR.searchMyCenterPP

Customize Links Free Hotmail Windows Media Windows

NASA National Aeronautics and Space Administration

FPMD Facilities Project Management Database

SEARCH HISTORY: > 1

+ SEARCH

- VIEW PLANNED PROJECTS

- VIEW ACTIVE PROJECTS

- ADVANCED SEARCH

+ REPORTS

+ PLANNING

+ HELPFUL LINKS

+ HELP

+ CHANGE APPLICATION

+ CHANGE ROLE

+ LOGOUT

CENTER PLANNED PROJECTS

Fiscal Year: - Select a year - + GO

15 projects found. ☐ Project on hold

Proj ID	Classification	FY	Building	Description
13571	CoF Minor	2011	PB	Relocate PB Main Gate to Scheid Road
13572		2011	46 93 94	Repair Cooling Tower Systems, Phase 1
13573	CoF Minor	2011	23	Rehab ERB West Wing, B23
13574	CoF Minor	2011	GRC	Repair Electrical Distribution System, GRC
13575	CoF Minor	2011	GRC	Repair Sewers, Phase 2
13576	CoF Minor	2011	50	Addition to Building 50
13577	CoF Minor	2011	12	Repair GRC Steam Plant, B12, Ph 1
13578	CoF Minor	TBD	GRC	Repair Parking Lots & Rds, Ph 4
13579	CoF Minor	2012	145	Repairs to Acoustic Arena, B145
13580	CoF Minor	TBD	5	Rehab North Office Sect., ERB B5
13581	CoF Minor	TBD	35-1	R by R, Research Comb Lab B35-1
13582	CoF Minor	TBD	PB	Repair Natural Gas @ Utilities, PB
13583	CoF Demolition	2011	24	Demolish Special Projects Laboratory No. 24
13584	CoF Demolition	2011	3111 3211	Demolition of Building B-1 Test Building No. 3111 & B-3 Test Building No. 3211, Plum Brook Station
13585	CoF Minor	TBD	73	Repairs to Acoustic Arena

GLENN RESEARCH CENTER CoF Manager: Gene Pinali

NASA Web Privacy Policy and Important Notices

NASA Responsible Official: Gary Crawford

Web Curator: William Ramsey

Last Updated: 08/15/2008

Note: the screen shot shown above shows all the “Planned” projects (for all fiscal years) that have been previously entered in the FPMD.

Click on the “Planned” project you wish to create a 1509 for.

Done

Start | Inbox - Microsoft Out... | FW: Main Gate Bid Qu... | Outlook Send/Receive... | Mozilla Firefox | 9:48 AM



FPMD CoF Planning Module - 1509 Creation

Rehab ERB West Wing, B23

SEARCH HISTORY: > 1

+ PROJECT 13573 DETAILS

- SUMMARY
- COMMENTS
- DOCUMENTS
- FORMS
- + SEARCH
- + REPORTS
- + PLANNING
- + HELPFUL LINKS
- + HELP
- + CHANGE APPLICATION
- + CHANGE ROLE
- + LOGOUT

PROJECT SUMMARY

+ view summary

GENERAL

CLASSIFICATION: CoF Minor Rehabilitation & Modification

STATUS: PLANNED

BASE AWARD: N/A

LOCATION: 23

PROJECT MGR.: The PM has not been assigned.

CONTRACTOR:

TASK NO.:

CUSTOMER: The customer is unidentified.

CUST. PHONE: The customer's phone is unidentified.

CUST. CONTACT: Not entered

SCOPE

Scope has not been entered.

JUSTIFICATION

Justification notes have not been entered.

GLENN RESEARCH CENTER CoF Manager: Gene Pinali

NASA Web Privacy Policy and Important Notices

NASA Responsible Official: Gary Crawford

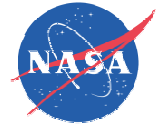
Web Curator: William Ramsay

Last Updated: 08/15/2008

Done

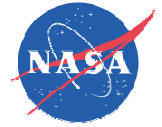
Start | Inbox - Micro... | FW: Main Gate... | Outlook Send/R... | Mozilla Firefox | FPMD 1509 Gen... | 9:55 AM

You are now in the previously selected "Planned" project. Note there is no scope or justification information on the default Summary page. That will be entered via the 1509 we are about to create. Next step is to click the grey "Forms" box on the left.



FPMD CoF Planning Module - 1509 Creation

On the “Forms” page shown above, click on “View 1509”. We expect more forms to be accessed via this page in the future, but for now the 1509 form is the only possible selection.



FPMD CoF Planning Module - 1509 Creation

To create a 1509, click on “Create 1509” on this page. Once a 1509 has been created, you will see a listing of various versions/revisions of the 1509 on this page (which you will see in upcoming slides).



FPMD CoF Planning Module - 1509 Creation

This is page in the FPMD where you actually enter the information typically found on a 1509. The project title, FPMD Project ID number and today's date are auto-filled. You must type in the information in all the other text boxes.

Note that for now there are text boxes to enter the names and titles of the individuals who are to sign the 1509 (Submitted By, Concurrence By, JX Concurrence and Approved By). We anticipate the future capability to incorporate “electronic” signatures to the 1509 via the FPMD.



FPMD CoF Planning Module - 1509 Creation

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://fpmd.grc.nasa.gov/index.cfm?navID=1&fuseaction=NASAGR.edt1509&Proj_ID=135736&SubRevNo=1

Customize Links Free Hotmail Windows Media Windows

Transfer of Excess \$ Existing \$ Other \$ Activation \$ Other Real Estate \$ Specify:

* Scope/Description: This project provides for the rehabilitation of the Engine Research Building (ERB) West Wing office section in Building No. 23. The scope of work for this project includes the replacement of the existing office fan-coil units with new 4-pipe, ceiling mounted units fed with a new make-up air system. In addition, the project includes new lighting, new low voltage electrical power distribution systems, a new fire/smoke detection system, and a new fire suppression system (extended from riser piping installed as part of an FY04 CoF Project). Lastly, architectural modifications will be made such that the office section complies with current Life Safety and ADA requirements.

* Basis of Needs: The ERB West Wing office section of Building No. 23 is antiquated and has a history of mold conditions and poor indoor air quality. In addition, the building was constructed in 1944 and does not conform to current Life Safety and ADA requirements. The GRC Master Plan has identified Building No. 23 as a mission-relevant building. Therefore, the refurbishment of this building will help with employee office space consolidation and enable evacuation of the GRC/Lewis Field North Campus.

PDR: ☐ of possible ☐ at ☐ % of design

SCHEDULE DATES

Schedule Dates:	START		COMPLETE	
	PER			
	Design	05/15/2009		03/15/2010
	Construction	02/15/2011		01/15/2012
	Activation			
	Operational			

PROJECT APPROVAL

Submitted By: Jling, GRC CoF Program Manager

Concurrence By:

JX Concurrence:

Approved By: Mark S. Pitzer, Facilities Program Manager, Facilities Engr. & Real Property Div

Save and Exit

GLENN RESEARCH CENTER CoF Manager: Gene Pinalli

NASA Web Privacy Policy and Important Notices NASA Responsible Official: Gary Crawford Web Curator: William Ramsay Last Updated: 08/21/2008

Done

Start Inbox - Mic... RE: CCR - ... Microsoft E... Engineering... Mozilla Fir... Informed D... 9:58 AM

Click on “Preview”
Type in the information
in each text box as you
typically would for a
1509. This could be a
cut and paste from
another document or
typed in directly. In
order to lock-in the
typed information, you
must click the “Save and
Exit” button. Once you
do this, a 1509 is created
as shown on the next
slide.



FPMD CoF Planning Module - 1509 Creation

Rehab ERB West Wing, B23

SEARCH HISTORY: > 1

+ PROJECT 13573 DETAILS

- SUMMARY

- COMMENTS

- DOCUMENTS

- FORMS

+ SEARCH

+ REPORTS

+ PLANNING

+ HELPFUL LINKS

+ HELP

+ CHANGE APPLICATION

+ CHANGE ROLE

+ LOGOUT

VIEW 1509

+ create 1509 + view 1509

PROJECT TITLE	REVISION	CREATED	PRINT
Rehab ERB West Wing, B23	0	08/20/2008	
Rehab ERB West Wing, B23	1	08/20/2008	

Click the Print icon to see the 1509.

GLENN RESEARCH CENTER CoF Manager: [Gene Pinali](#)

NASA Web Privacy Policy and Important Notices

NASA Responsible Official: [Gary Crawford](#)

Web Curator: [William Ramsay](#)

Last Updated: 08/21/2008

Done

Start | Inbox - ... | RE: CCR... | Microsof... | Engineer... | Mozilla ... | Informed... | FPMD 15... | 10:16 AM

The new 1509 has been created and can be viewed by and printed by clicking on the Print icon. This will take you to a pdf view of the 1509 that is shown on the next slide.



FPMD CoF Planning Module - 1509 Creation

index.cfm (application/pdf Object) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://fpmd.grc.nasa.gov/index.cfm?navID=18&useaction=NASAGR.rptPreview1509&select1509=13573,1

Customize Links Free Hotmail Windows Media Windows

http://fpmd.grc.nasa.gov/CFOKEN=27893858 index.cfm (application/pdf Object)

Save a Copy Search Select 116% Sign

National Aeronautics and Space Administration		Facility Project-Brief Project Document		PROJECT ID 13573	PROJECT CODE 2007-027																													
PROJECT TITLE Rehab ERB West Wing, B23		INSTALLATION/PROGRAM OFFICE GRC		DATE 08/20/08	SUB/REV. NUMBER 1																													
<table border="1"> <thead> <tr> <th>ITEMS (LIST)</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>APPROVED FACILITY PROJECT COST ESTIMATE</td> <td>\$4,000,000.00</td> </tr> <tr> <td>TOTAL</td> <td>\$4,000,000.00</td> </tr> </tbody> </table>		ITEMS (LIST)	AMOUNT	APPROVED FACILITY PROJECT COST ESTIMATE	\$4,000,000.00	TOTAL	\$4,000,000.00	<p>RELATED COST DATA (Not included in the Approved Facility Project Cost Estimate, but required to make the facility initially operable)</p> <table border="1"> <thead> <tr> <th>RELATED COSTS INVOLVED</th> <th>SS (Amount)</th> <th>PER (Amount)</th> <th>DESIGN (Amount)</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> YES (Identify)</td> <td>\$160,000.00</td> <td>\$0.00</td> <td>\$240,000.00</td> </tr> <tr> <td><input type="checkbox"/> NONE</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				RELATED COSTS INVOLVED	SS (Amount)	PER (Amount)	DESIGN (Amount)	<input checked="" type="checkbox"/> YES (Identify)	\$160,000.00	\$0.00	\$240,000.00	<input type="checkbox"/> NONE														
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1 of 2

Done

Start Inbox - ... RE: CCR... Microsof... Engineer... index.cfm Informed... FPMD 15... 10:05 AM

Click the web browser's "back" button, or close the tab to get out of the 1509 preview screen and back to the View 1509 page as shown on the next slide.



FPMD CoF Planning Module - 1509 Creation

Rehab ERB West Wing, B23

SEARCH HISTORY: > 1

VIEW 1509

+ create 1509 + view 1509

PROJECT TITLE	REVISION	CREATED	PRINT
Rehab ERB West Wing, B23	0	08/20/2008	
Rehab ERB West Wing, B23	1	08/20/2008	

Click the Print icon to see the 1509.

Click the project tile to edit or update a previously created 1509.

GLENN RESEARCH CENTER CoF Manager: Gene Pinali

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NASA Responsible Official: Gary Crawford

Web Curator: William Ramsay

Last Updated: 08/21/2008

http://fpmd.grc.nasa.gov/index.cfm?navID=1&fuseaction=NASAGR.rptPreview1509&select1509=13573,1

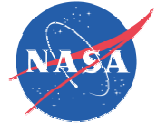
Start | Inbox - ... | RE: CCR... | Microsoft... | Engineer... | Mozilla... | Informed... | FPMD 15... | 10:08 AM

This is where the 1509s are stored. In the case of this project, there are two 1509s shown. The second is a revision of the first. Every time you change the data entered on the 1509 data entry page and save it by clicking the “Save and Exit” button, the 1509 is revised and saved. The FPMD keeps copies of previous versions of the 1509. To view any 1509 version, click on its “Print” icon. To revise or update any previously created 1509, click on its title, edit the information and then click on the “Save and Exit” button.



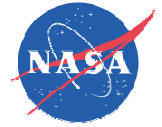
FPMD CoF Planning Module - 1509 Creation

Note that if you now go to the project “Summary” page by clicking the grey box on the upper left, the project scope and justification (basis of need on a 1509) has been automatically forwarded from the 1509 form and now appears on this page.



Facility Project Management Database

Steering Committee



FPMD Steering Committee

Mission Statement

- The mission of the Facilities Project Management Database (FPMD) Steering Committee is to define the strategic direction for the further development of the FPMD, and to ensure that the FPMD provides the maximum benefit in support of the Agency's Construction of Facilities Program.

Members

- The primary members include representatives from each NASA Center and related facilities. These representatives include Line Managers, Project Managers, Construction of Facilities Program Managers and Headquarters Program Managers.



FPMD Steering Committee

Current FPMD Steering Committee Membership:

HDQTRS: Steve Rider, Wei Hu

GRC: Gene Pinali, Gene Stygles, John Ritter

JSC: Patricia Ford, Steve Farley

DFRC: Michelle Hurd, Audrey Mauldin

SSC: Susie (Barbara) Cour-Palais

LaRC: Jim Charnock, Cheryl Allen

KSC: Keith Britton, Chad Moeller

WFF: Bob Reynolds, Kent Stover

GSFC: Jacki Mattson

JPL: Randy Wager, S. Welch

ARC: Peter Chan, Suzie Campbell

MSFC: Rhonda Pepper, David Jones



FPMD Steering Committee

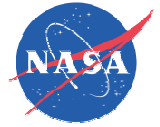
Goals and Objectives

- In order to accomplish its mission, the Steering Committee shall:
 - Represent the interests of the FPMD user community by facilitating communication between the Steering Committee and user community;
 - Define and discuss potential enhancements or changes to functionality to the FPMD based on feedback from the user community;
 - Prioritize those enhancements or changes to functionality of the FPMD that are selected for implementation;
 - Ensures the FPMD follows and support the NASA Facilities Project Management process.



FPMD's Future

- As of today use of the FPMD has been mandated by Headquarters only for “Planned” project submissions.
- If further training of Center personnel is required, our new method will be to train individuals at GRC (at their expense) and then have them train others at their Center. We could also train personnel via Webex as an option.
- The FPMD is ready for all Centers to use. The rollout we committed to do has been completed. We will continue to work with Headquarters to integrate the FPMD with their “portal” data gathering system. We will also complete the current planned enhancements.



Point Releases 4.2 & 4.3 Content

- The current planned enhancements are described on the next two slides and are broken down into two point releases.
- Schedules for point release 4.3 cannot be determined until completion of specification gathering.
- The programmers will contact the designated champion for each of the proposed enhancements to gather the specifications (their thoughts and insights) for what exactly they were intending the FPMD to do.
- As a reminder, the following slides list the enhancements in each upcoming point release. The enhancement champions name is in **orange font**.



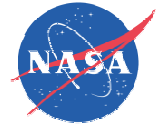
“Program Management” Point Release 4.2

- “Program Management” Release 4.2. Will include enhancements 1, 5, 7 & 11:
 - 1. Rollup Report by CoF Program Year: Report to list all CoF projects in a given program year and pull data from milestones, issues, etc.. (Ex: FY2009, Status & Phase, Percent Complete Per Phase, Issues and Obligations) 6 Center votes, Priority Ave. = 6 (M. Hurd, Dryden). In Test by June 22, 2009.
 - 5. Gantt Chart View - Need to breakdown Gantt Chart view timeline to show distinct project phases instead of one line that covers all phases. 3 Center votes, Priority Ave. = 3 (A. Mauldin, Dryden). In Test by June 8, 2009.
 - 7. Create a Center Planning Page: Create a page for CoF Program Manager or Center Master Planner to store potential future projects that are not currently planned for any specific fiscal Year. 3 Center votes, Priority Ave. = 5 This item is complete and in production.
 - 11. Historical “Issues” Report: This report would pull issues from all projects and document the closeout/resolution action. 3 Center votes, Priority Ave. = 8 (G. Stygles, Glenn). In Test by July 8, 2009.



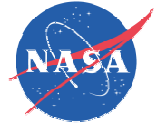
“Project Management” Point Release 4.3

- “Project Management” Release 4.3. Will include enhancements 4, 8, 12 & 13:
 - 4. Auto Fill NASA Standard Forms: This enhancement would automatically infill portions of these forms (project title, etc) **4 Center votes, Priority Ave. = 7 (Steering Com – Pinali, Glenn)**
 - 8. Email Document Storage: Provide a means to facilitate storage of emails to the Documents tab / Move entire email folder to documents. **3 Center votes, Priority Ave. = 6 (Steering Com – Pinali, Glenn)**
 - 12. PM Report - add “Risks”: Develop a new data screen for risk identification and tracking. **2 Center votes, Priority Ave. = 3 (J. Charnock, Langley, M. Hurd, Dryden)**
 - 13. Center Customized Cost Worksheet: Provide the ability to customize the cost worksheet so that Centers can add their own specific project burden and other costs. **2 Center votes, Priority Ave. = 3 (G. Farley, Johnson)**



FERP Requested Enhancements

- For both Minor and Discrete Projects:
 - Project budgets listed by Fiscal Year and by Project title
 - Project CCE's listed by Fiscal Year and by Project title
 - If there is a difference between project budget and project CCE, then note on how difference will be reconciled
 - Separate listings for Minor and Discrete projects.
- CoF Program:
 - Capture and provide some type of continuous designation for CoF projects that get inserted into a given fiscal year.
 - Capture and provide some type of continuous designation for CoF projects that are being deferred and/or descoped from a fiscal year



Committee Meeting Schedule

No Steering Committee meetings have taken place so far this year.

Future meetings will be scheduled as needed to demonstrate enhancements as they are put into production.



Back Up Slides



Facility Project Management Database

What is the cost?

- Current cost to host the application at Glenn for all Centers and Headquarters is \$300k/year in FY07 and increasing linearly to \$450k/year in FY11.